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INTERNATIONAL SEARCH REPORT

		l l	VIB2004/00428/		
A CLASSIF INV. A	cation of subject matter 461K9/16				
According to	International Patent Classification (IPC) or to both national classification	n and IPC			
B FIELDS	SEARCHED				
Minimum doo A61K	cumentation searched (classification system followed by classification	symbols)			
Documentation	on searched other than minimum documentation to the extent that suc	h documents are includ	ded in the fields searched		
Electronic da	ata base consulted during the international search (name of data base	and where practical,	search terms used)		
EPO-Int	ernal, WPI Data, PAJ, CHEM ABS Data				
C. DOCUME	NTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication where appropriate of the relevant	ant passages	Relevant to claim No		
(WO 02/089835 A (F. HOFFMANN-LA ROCHE) 14 November 2002 (2002-11-14)		1,4-22		
١	claim 1 examples 4,5		23		
	US 2003/054042 A1 (ELAINE LIVERSIDE 20 March 2003 (2003-03-20)	2-7,9-18			
1	page 4, paragraph 43; claims 1,14, examples 2-5 	19;	24-26		
۹.	WO 03/074026 A (BIOCOMPATIBLES UK) 12 September 2003 (2003-09-12) page 21, line 29 - page 23, line 3	2-7,9-18			
) Furth	er documents are listed in the continuation of box C	X Patent family m	nembers are listed in annex		
'A' document defining the general state of the art which is not considered to be of particular relevance		 T later document published after the international filing date or pnority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 			
which in citation of documer other in P1 documer	is cited to establish the publication date of another ny or other special reason (as specified) in the referring to an oral disclosure, use, exhibition or neans in published prior to the international filing date but	" document of particular cannot be considered document is combinated and combinated and combinated are combinated as a combinated are combinated and combinated are combinated as a combinated are combinated are combinated as a combinated are combinated as a c	ar relevance the claimed invention ed to involve an inventive step when the ned with one or more other such docur nation being obvious to a person skilled		
	an the priority date claimed '& actual completion of the international search		of the same patent family e international search report		
	9 April 2006	10/05/2006			
Name and m	nailing address of the ISA European Patent Office, P B 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx 31651 epo nl Fax (+31-70) 340-3016	Autho rized officer Ventura	Amat, A		

INTERNATIONAL SEARCH REPORT

nternational application No. PCT/IB2004/004287

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons
1. Claims Nos. because they relate to subject matter not required to be searched by this Authority, namely
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically
3. Claims Nos: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additi onal sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.
4. I No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCTASA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. cl aim: 1

A solid composition comprising a plurality of particles comprising a substantially amorphous low solubility drug having a glass transition temperature of at least 50°C and \boldsymbol{a} poloxamer .

2. claim: 2

A solid composition comprising a plurality of particles comprising a substantially amorphous low solubility drug having a Log P value greater than about 6.5 and a poloxamer.

INTERNATIONAL SEARCH REPORT

Information on patent family members

: intional Application No /IB2004/004287

Patent document cited in search report		Publication date	Patent family member(s)			Publication date
WO 02089835	Α	14-11-2002	AT	282428	Т	15-122004
			BG	108311	Α	30-122004
			BR	0209325	Α	20-07-2004
			CA	2444116	Al	14-112002
			CN	1547484	Α	17-112004
			CZ	20033211	A3	15-092004
			DE	60201988	Dl	23-122004
			DE	60201988	T2	15-122009
			EP	1390063	A2	25-02-*2004
			ES	2231717	T 3	16-052005
			HR	20030873	A2	31-082009
			HU	0401238	A2	28-122004
			JР	2004527569	T	09-09-2004
			MA	27018	Al	20-12-2004
•			MX	PA03009971	A	12-022004
			NO	20034689	A	20-102003
			NZ	528689	A	24-03-2009
			PL	366998	Al	07-02-2009
			PT	1390063	T	31-032009
			SK	14572003	A3	01-122004
US 2003054042	Al	20-03-2003	CA	2460436	Al	27-03-2003
			EP	1427395	Al	16-06-2004
			JР	2005505568	T	24-02-2005
			WO	03024424	Al	27-03-2003
WO 03074026	Α	12-09-2003	AU	2003214387	Al	16-09-2003
			US	2005220880	Δ 1	06-10-2005